ATTORNEY DOCKET NO.: INTEL1440-3 (P13837D3)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Eric C. Hannah

Art Unit:

Not Yet Assigned

Parent Serial No.

10/107,833

Examiner:

Not Yet Assigned

Parent Filing Date Serial No.:

March 26, 2002 Not Yet Assigned

Filed:

February 19, 2004

Title:

METHOD AND SYSTEM FOR OPTICALLY SORTING AND/OR

MANIPULATING CARBON NANOTUBES

## **Mail Stop PATENT APPLICATION**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 § CFR 1.97, Applicants bring to the Examiner's attention the related parent patent application, U.S. Serial No. 10/107,833, filed March 26, 2002, which is relied upon for an earlier filing date under 35 USC § 121. For the convenience of the Examiner, copies of the PTO Forms 1449 are enclosed.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

<b>CERTIFICATION UNDER 37 CFR §1.10</b>
"EXPRESS MAIL" Mailing Label Number: EV 318 740 408 US
Date of Deposit: February 19, 2004
I hereby certify that this correspondence is being deposited with the United
States Postal Service as "Express Mail Post Office to Addressee" with
sufficient postage on the date indicated above and is addressed to: Mail
Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450,
Alexandria, VA 22313-1450.
SAUL SOLANO
(Name of Person Mailing Paper)
(Signature) February 19, 2004
`( )

In re Application of:

Eric C. Hannah

Application No.: Not Yet Assigned

Filed: February 19, 2004

Page 2

PATENT Attorney Docket No.: INTEL1440-3 (P13837D3)

No fee is deemed necessary in connection with the filing of this Information Disclosure

Statement, because it is being filed prior to the receipt of a first office action on the merits of the

above-captioned application. However, if any fee is required, authorization is hereby given to charge

any fees associated with the filings submitted herewith, or credit any overpayment to Deposit

Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: February 19, 2004

Lisa A. Haile, J.D., Ph.D.

Registration No.: 38,347 Telephone: (858) 677-1456 Facsimile: (858) 677-1465

**USPTO CUSTOMER NUMBER 28213** 

GRAY CARY WARE & FREIDENRICH LLP

4365 Executive Drive, Suite 1100

San Diego, CA 92121-2133

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)					Attorney Docket No.: 42390.P13837		Application Number: New Application		
Page 1	l of 2				First Named Inventor: Eric C. Hannah				
					Filing Date: Herewith				
				U.S. PATEN	NT DOCUMENTS				
Exam. Initial*	Cite No.¹	U.S. Patent Number Code <sup>2</sup>	Document Kind		ame of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant		
			(If known)	90			Passages or Relevant Figures Appear		
		6,331,690			Yudasaka et al.	12/18/2001			
		6,333,016			Resasco et al.	12/25/2001	N.		
		6,350,488		<u> </u>	Lee et al.	02/26/2002			
•									
			•						
				-					
			FO	REIGN PAT	TENT DOCUMENTS	deligner of the second of the			
Exam.	Cite	Foreign Patent Document			Name of Patentee or Applicant	Date of Pages, T6			
Initial*	No.1	Office <sup>3</sup> Number Code <sup>5</sup>	er <sup>4</sup> Kind		of Cited Document	Cited Line	es, Where - elevant		

Initial*	No.1	Office <sup>3</sup> Code <sup>5</sup>	Number <sup>4</sup>	Kind (If known)	of Cited Document	Publication of Cited Document MM-DD- YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
						1	1 appear	
E		1				C :1 1	,	_

Examiner	Date Considered	
Signature		

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Page 2 of 2  First Named Inventor: Eric C. Hannah  Filing Date: Herewith
OTHER ART - NO PATENT LITERATURE DOCUMENTS
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
TANG, XP. ET AL.; Electronic Structures of Single-Walled Carbon Nanotubes Determined by NMR; Science, April 2000 Pgs. 492-494 Vol. 288.
ANDREWS, R. ET AL.; Continuous Production of Aligned Carbon Nanotubes: A Step Closer to Commercial Realization; Chemical Physics Letters, 303 (1999) 467-474.
KUHR, STEFAN ET AL.; Deterministic Delivery of a Single Atom; Science, July 2001, Pgs. 278-280, Vol.293.
WILDÖER, JEROEN W. G. ET AL.; Electronic Structure of Atomically Resoved Carbon Nanotubes; Nature, January 1998, Pgs. 59-62, Vol. 391.
JOURNET, C. ET AL.; Large-Scale Production of Single-Walled Carbon Nanotubes by the Electric-Arc Technique; Nature, August 1997, Pgs.756-758, Vol. 388.
VENEMA, LIESBETH C. ET AL.; Imaging Electron Wave Functions of Quanitzed Energy Levels in Carbon Nanotubes; Science, January 1999, Pgs. 52-55, Vol. 283.
HAN, H.X. ET AL.; Photoluminescence Study of Carbon Nanotubes; Los Alamos Physics Preprints: cond-mat/0004035, April 2000, 6 Pgs.
ROCHEFORT, ALAIN ET AL.; The Effects of Finite Length on the Electronic Structure of Carbon Nanotubes; Los Alamos Physics Preprints: cond-mat/9808271, August 1998, 18 pgs.
Examiner Date

and not considered. Include copy of this form with next communication.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.